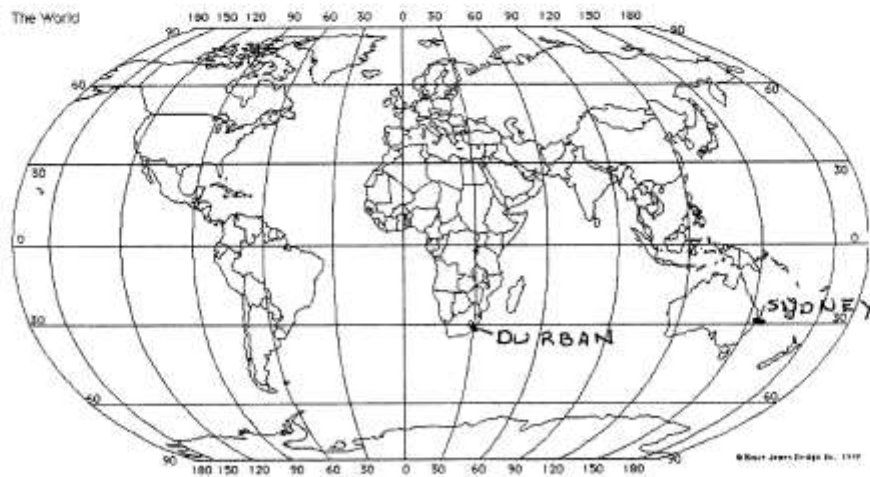


Human and Social Sciences**GRADE: 8****Geography****Time: 1 hour****JUNE 2018****Marks: 75****Examiner: CR Madeley****Instructions :**

1. Answer all the questions in the spaces provided on the question paper
2. Write neatly and clearly. If you make a mistake delete it neatly with a ruler and rewrite your answer next to it.
3. Fill in your details clearly below.

Name: _____ Class: _____

QUESTION ONE Refer to the map below when answering question one.**Latitude and longitude map of the world**

2

1.1 The lines of latitude indicate:

_____ 2

1.2 Latitude lines are also called: _____ 1

1.3 Lines of longitude are also called: _____ 1

1.4 The 180° meridian is called the: _____ 1

1.5 State the value of each of the following important lines of latitude:

a. tropic of cancer _____

b. arctic circle _____ 2

1.6 Explain why lines of longitude are not parallel to one another but get closer together towards the poles. 3

1.7 State the coordinates of Durban to the nearest degree from this map.

_____ 2

1.8 Explain why you cannot give a very accurate location for towns and cities from this map. 3

1.9 Name the continent from the map that:

a. Is located furthest North

_____ 1

b. Should experience the greatest difference in time across its area.

_____ 1

c. Explain your answer to b. above. 2

1.10 Name the ocean that is:

30° West of the Greenwich Meridian _____ 1

30° North and 150° West _____ 1

1.11 Name the line from that the map that South Africa uses for its standard time. (SAST) _____ 1

1.12 Explain why Durban is 2 hours ahead of Greenwich Mean Time. 4

1.13 State the time in Sydney Australia on the east coast of the continent if the time in South Africa is 09:00. 2

QUESTION TWO

Study the map below and answer the questions that follow



2.1 This is a type of political map. Name another type of map you learned about this year. Explain how it is different to this map. 3

2.2 At what interval are the lines of latitude drawn on this map? 1

2.3 State the coordinates of Butterworth in the Eastern Cape. 2

2.4 In which direction is Cape Town from De Aar? 1

2.5 Is the scale of this map larger or smaller than the inset map of **southern Africa**? Explain why. 3

2.6 Rewrite these ratio scales that are used on different sized maps in order from largest to smallest.

1:25 000 1: 10 000 1: 100 000 3

2.7 Use your knowledge of factors affecting temperature to answer the following questions about the following places on the map.

2.7.1 Which factor causes Mont Aux Sources (3 200 m) in the KZN Drakensberg to be colder on average than Pietermaritzburg? 2

2.7.2 Explain briefly why this factor causes Mont Aux Sources to be colder. 3

2.8 Cape Town and Bloemfontein experience different climates due to their distance from the sea.

Which of the two cities will:

a. Experience hotter summer temperatures

_____ 1

b. Experience a greater temperature range between summer and winter.

_____ 1

c. Be more likely to experience frost _____ 1

7

d. Explain your answer to c.

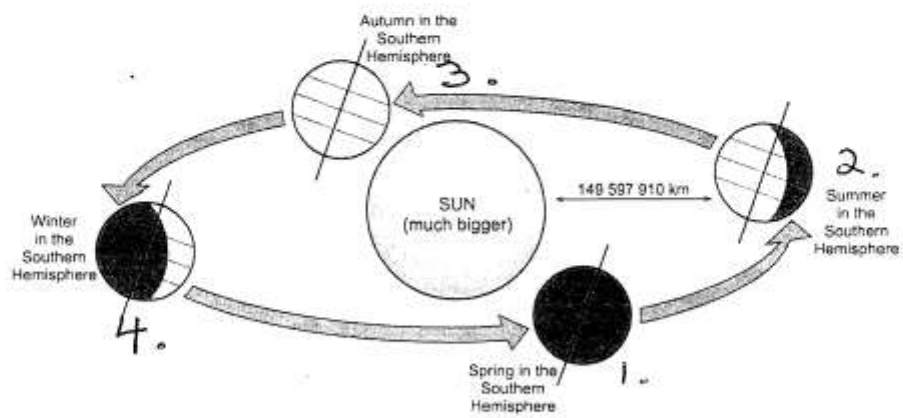
3

2.9 Name the ocean current which keeps places like Port Nolloth and Hopefield cool.

1

QUESTION THREE

Study the diagram that below and answer the questions.



3.1 State the two causes of seasons as seen in the diagram above.

2

8

3.2

a. Comment on the length of the day and night in position 3. 1

b. Explain your answer above. 2

3.3 Where will the direct rays of the sun be falling on the day of the northern hemisphere summer solstice?

1

3.4 Explain why the southern hemisphere is experiencing winter in position 4. 3

QUESTION FOUR THE ELEMENTS OF WEATHER

Study the weather report for Thursday May 3 for Hillcrest.

LOW 18°C HIGH 24°C

Wind Speed 22km/h

Wind Direction S

Humidity 65%

Dew Point 15

Comfort Level 24°C

Chance of Rain 62%

a. Refers to moisture in the atmosphere

b. Is caused by differences in atmospheric pressure.

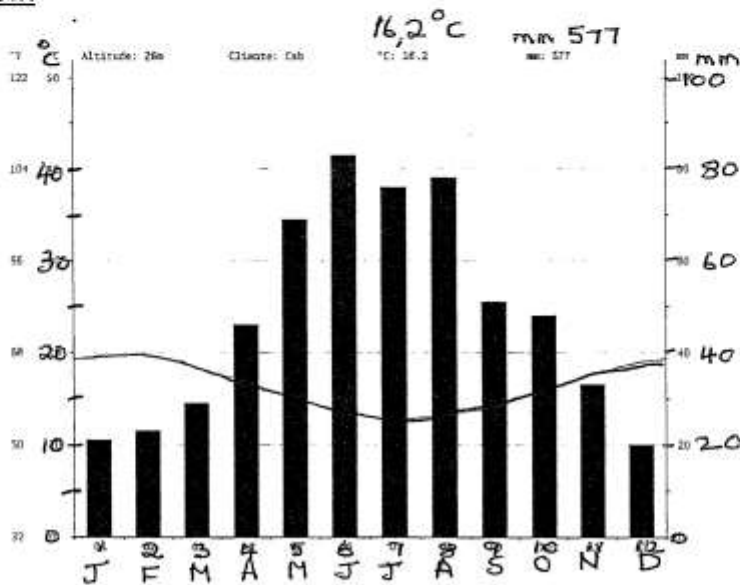
c. Is a type of precipitation.

3

4.2 Explain two conditions necessary for this precipitation in c. to occur.

2

5. Study the rainfall and temperature graph for Hermanus in the Western Cape below:



5.1 Why is this a climate and not a weather graph? 2

5.2 During which season does Hermanus receive its highest rainfall? 1

5.3 In what unit is rainfall measured? 1

5.4 Calculate the seasonal range for Hermanus. 1

5.5 Comment in a few sentences on Hermanus' climate from the information on this climograph. 4
